

1. *Chrysomelidae* (10 species)  
 2. *Curculionidae* (10 species)  
 3. *Chrysomelidae* (10 species)  
 4. *Curculionidae* (10 species)  
 5. *Chrysomelidae* (10 species)  
 6. *Curculionidae* (10 species)  
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 8. *Curculionidae* (10 species)  
 9. *Chrysomelidae* (10 species)  
 10. *Curculionidae* (10 species)

an image sensing unit for sensing an observation  
image obtained by a microscope and obtaining the  
observation image;

a microscopy technique determination unit for detecting a microscopy technique in the microscope,

a chromaticity determination unit for determining chromaticity of the observation image on the basis of the microscopy technique detected by said microscopy technique determination unit, and determining a region where color balance is to be adjusted in the observation image;

~~a color balance adjustment unit for adjusting color balance in accordance with a color balance adjustment amount arbitrarily set for the region of the observation image determined by said chromaticity determination unit;~~

a luminance distribution determination unit for calculating a luminance distribution of the observation image on the basis of the microscopy technique detected by said microscopy technique determination unit, and determining from the luminance distribution a region where tone is to be corrected in the observation image;

a tone adjustment unit for correcting tone in accordance with a tone correction amount arbitrarily set for the region of the observation image determined by said luminance distribution determination unit;

5 a white balance correction unit for correcting white balance for the observation image sensed by said image sensing unit;

10 a position designation unit for designating a desired position in the observation image displayed on said display unit; and

a control unit for detecting white balance on the basis of image data at the position designated by said position designation unit, and controlling said white balance correction unit.

15 2. An image sensing apparatus for a microscope, comprising:

an image sensing unit for sensing an observation image obtained by a microscope and obtaining the observation image;

20 a microscopy technique determination unit for detecting a microscopy technique in the microscope;

a chromaticity determination unit for determining chromaticity of the observation image on the basis of the microscopy technique detected by said microscopy technique determination unit, and determining a region where color balance is adjusted in the observation image; and

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a color balance adjustment unit for adjusting color balance in accordance with a color balance adjustment amount arbitrarily set for the region of the observation image determined by said chromaticity determination unit.

3. An apparatus according to claim 2, further comprising:

a luminance distribution determination unit for calculating a luminance distribution of the observation image on the basis of the microscopy technique detected by said microscopy technique determination unit, and determining from the luminance distribution a region where tone is to be corrected in the observation image; and

a tone adjustment unit for correcting tone in accordance with a tone correction amount arbitrarily set for the region of the observation image determined by said luminance distribution determination unit.

4. An apparatus according to claim 2, further comprising:

a display unit for displaying the observation image obtained by said image sensing unit;

a white balance correction unit for correcting white balance for the observation image sensed by said image sensing unit;

a position designation unit for designating a desired position in the observation image displayed on

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7. An apparatus according to claim 5, wherein said position designation unit designates a range

corresponding to a plurality of pixels at the desired position in the observation image.

8. An apparatus according to claim 7, wherein said control unit can hold white balance corrected by said white balance correction unit.

9. An apparatus according to claim 5, further comprising:

a microscopy technique determination unit for detecting a microscopy technique in the microscope;

a luminance distribution determination unit for calculating a luminance distribution of the observation image on the basis of the microscopy technique detected by said microscopy technique determination unit, and determining from the luminance distribution a region where tone is to be corrected in the observation image; and

a tone adjustment unit for correcting tone in accordance with a tone correction amount arbitrarily set for the region of the observation image determined by said luminance distribution determination unit.

10. An image sensing apparatus for a microscope, comprising:

an image sensing unit for sensing an observation image obtained by a microscope and obtaining the observation image;

a microscopy technique determination unit for detecting a microscopy technique in the microscope;

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